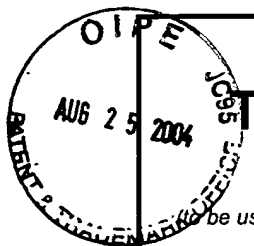


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



TRANSMITTAL FORM

to be used for all correspondence after initial filing)

| | | | |
|--|----|----------------------|---|
| TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i> | | Application Number | 10/067,625 |
| | | Filing Date | February 4, 2002 |
| | | First Named Inventor | Hwu et al. RECEIVED |
| | | Group Art Unit | 2879 AUG 30 2004 |
| | | Examiner Name | Jason R. Phinney OFFICE OF PETITIONS |
| Total Number of Pages in This Submission (including this sheet) | 17 | Attorney Docket No. | 3070.INSY.PT |

| ENCLOSURES (check all that apply) | | |
|--|--|--|
| <input checked="" type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Appeal Communication: <input type="checkbox"/> Appeal Notice <input type="checkbox"/> Appeal Brief <input type="checkbox"/> Reply Brief <input type="checkbox"/> Assignment with Cover Sheet <input type="checkbox"/> Certified Copy of Priority Document(s) <input checked="" type="checkbox"/> Check in the amount of \$ <u>710.00</u> <input type="checkbox"/> Credit card authorization in the amount of \$ ____ <input type="checkbox"/> Declaration & Power of Attorney <input type="checkbox"/> Drawings ____ sheets <input type="checkbox"/> Formal <input type="checkbox"/> Informal | <input type="checkbox"/> Extension of Time Request ____ month <input checked="" type="checkbox"/> Fee Calculation Table <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Form 1449 <input type="checkbox"/> Copies of IDS References <input type="checkbox"/> Issue Fee Transmittal & Advance Order | <input type="checkbox"/> Maintenance Fee Transmittal ____ year <input type="checkbox"/> Missing Parts Response <input type="checkbox"/> Notification of Change of Attorney Address & Docket Number <input checked="" type="checkbox"/> Return Postcard <input checked="" type="checkbox"/> Revocation & Power of Attorney <input type="checkbox"/> Status Inquiry <input checked="" type="checkbox"/> Other: Petition for Revival of an Application for Patent Abandoned |
| Remarks | | |

| SIGNATURE OF APPLICANT, ATTORNEY OR AGENT | | | |
|---|---|------|----------|
| Attorney for Applicant | Paul C. Oestreich, Registration No. 44,983 MORRISS O'BRYANT COMPAGNI, P.C. 136 South Main Street, Suite 700 Salt Lake City, Utah 84101 (801) 478-0071 telephone; (801) 478-0076 facsimile | | |
| Signature | | Date | 08-23-04 |

| CERTIFICATE OF MAILING UNDER 37 CFR § 1.8 | | | |
|--|--|------|----------|
| I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, on the date indicated below, in an envelope addressed to Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. | | | |
| Typed or Printed Name <u>Paul C. Oestreich</u> | | | |
| Signature | | Date | 08-23-04 |

FEE TRANSMITTAL

for FY 2004

Patent fees are subject to annual revision.

AUG 25 2004

Completed Online

Application Number 10/067,625
 Filing Date February 4, 2002
 First Named Inventor Hwu et al.
 Examiner Name Jason R. Phinney
 Group Art Unit 2980
 Attorney Docket No. 3070.INSY.PT

RECEIVED

AUG 30 2004

OFFICE OF PETITIONS

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT \$710.00

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account

50-0881

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s)

☐ Charge fee(s) indicated below, except the filing fee to the above-identified

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|------------------------|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1001 | 770 | 2001 | 385 | Utility filing fee | |
| 1002 | 340 | 2002 | 170 | Design filing fee | |
| 1003 | 530 | 2003 | 265 | Plant filing fee | |
| 1004 | 770 | 2004 | 385 | Reissue filing fee | |
| 1005 | 160 | 2005 | 80 | Provisional filing fee | |
| SUBTOTAL (1) | | | | | \$0.00 |

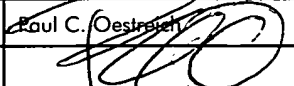
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| | Total Claims | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|--------------|----------------|----------|
| Total Claims | 27 | -22 | 5 X 9.00 | 45.00 |
| Independent | | | X | |
| Multiple Dependent | | | X | |

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|---|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1202 | 18 | 2202 | 9 | Claims in excess of 20 | |
| 1201 | 86 | 2201 | 43 | Independent claims in excess of 3 | |
| 1203 | 290 | 2203 | 145 | Multiple dependent claim, if not paid | |
| 1204 | 86 | 2204 | 43 | **Reissue independent claims over original | |
| 1205 | 18 | 2205 | 9 | **Reissue claims in excess of 20 and over original patent | |
| SUBTOTAL (2) | | | | | \$45.00 |

FEE CALCULATION (continued)

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|-----------------------------------|----------|--------------|----------|--|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath | |
| 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| 1053 | 130 | 1053 | 130 | Non-English specification | |
| 1812 | 2,520 | 1812 | 2,520 | For filing a request for <i>ex parte</i> reexamination | |
| 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action | |
| 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action | |
| 1251 | 110 | 2251 | 55 | Extension for reply within first month | |
| 1252 | 420 | 2252 | 210 | Extension for reply within second month | |
| 1253 | 950 | 2253 | 475 | Extension for reply within third month | |
| 1254 | 1,480 | 2254 | 740 | Extension for reply within fourth month | |
| 1255 | 2,010 | 2255 | 1,005 | Extension for reply within fifth month | |
| 1401 | 330 | 2401 | 165 | Notice of Appeal | |
| 1402 | 330 | 2402 | 165 | Filing a brief in support of an appeal | |
| 1403 | 290 | 2403 | 145 | Request for oral hearing | |
| 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding | |
| 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable | |
| 1453 | 1,330 | 2453 | 665 | Petition to revive - unintentional | 665.00 |
| 1501 | 1,330 | 2501 | 665 | Utility issue fee (or reissue) | |
| 1502 | 480 | 2502 | 240 | Design issue fee | |
| 1503 | 640 | 2503 | 320 | Plant issue fee | |
| 1460 | 130 | 1460 | 130 | Petitions to the Commissioner | |
| 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) | |
| 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt | |
| 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | |
| 1809 | 770 | 2809 | 385 | Filing a submission after final rejection (37 CFR §1.129(a)) | |
| 1810 | 770 | 2810 | 385 | For each additional invention to be examined (37 CFR § 1.129(b)) | |
| 1801 | 770 | 2801 | 385 | Request for Continued Examination (RCE) | |
| 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application | |
| Other fee (specify) | | | | | |
| *Reduced by Basic Filing Fee Paid | | | | | |
| SUBTOTAL (3) | | | | | \$665.00 |

| | | | | | |
|-------------------|---|------------------|----------|-----------|----------------|
| Name (Print/Type) | Paul C. Oestrich | Registration No. | 44,983 | Telephone | (801) 478-0071 |
| Signature |  | Date | 08-23-04 | | |



PATENT

Amot A
B
DP
12/17/04

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Hwu et al.
SERIAL NO.: 10/067,625
FILING DATE: February 4, 2002
TITLE: SOLID STATE VACUUM DEVICES
AND METHOD FOR MAKING
THE SAME
ART UNIT: 2879
EXAMINER: Jason R. Phinney
DOCKET NO.: 3070.INSY.PT
(formerly ISYS117880)

CERTIFICATE OF MAILING
UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence is
being deposited with the United States Postal
Service as First Class Mail, postage prepaid,
under 37 C.F.R. § 1.8 on the date indicated
below and is addressed to Commissioner
for Patents, P.O. Box 1450,
Alexandria, VA 22313-1450.

Paul C. Oestreich

08-23-04
Date of Deposit

AMENDMENT RESPONSE

Mail Stop Petition
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Office Action mailed October 3, 2003, please amend the
above-referenced patent application as shown herein. A petition under 37 C.F.R. §
1.137(b) and fee pursuant to 37 C.F.R. § 1.17(m) for revival of an unintentionally
abandoned patent application, is submitted herewith. Please also find a revocation and
power of attorney with change of correspondence address and new attorney docket
number submitted herewith.

01/25/2004 FFCX2102 00000004 10067625

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45.00 0P